

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A polyamide whose main chain comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is a functional group capable of combining with an amino group to form an amide group and wherein R is present at a level in the range from not less than 0.08 mol%, to 2 mol%, based on 1 mol of acid amide groups of said polyamide.
2. (Original) The polyamide according to claim 1 wherein R is selected from the group consisting of carboxylic acid, carboxylic ester, carboxylic amide and nitrile.
3. (Original) The polyamide according to claim 1 wherein R represents nitrile.
4. (Original) The polyamide according to claim 1 wherein R represents carboxylic acid.
5. (Original) The polyamide according to claim 1 wherein R represents carboxylic ester.
6. (Original) The polyamide according to claim 5 wherein R represents a carboxylic ester selected from the group consisting of methyl ester, ethyl ester, n-propyl ester, i-propyl ester, n-butyl ester, s-butyl ester, i-butyl ester and t-butyl ester.
7. (Original) The polyamide according to claim 1 wherein the main chain of said polyamide comprises chemically bound 2-methyl-1,5-diaminopentane.
8. (Cancelled).
9. (Previously Presented) A process for preparing a polyamide, which comprises converting monomers suitable for forming a polyamide in the presence of 1-amino-2-R-cyclopent-1-ene, where R is a functional group, according to claim 2.

10. (Previously Presented) A process for preparing a polyamide, which comprises converting oligomers suitable for forming a polyamide into a polyamide in the presence of 1-amino-2-R-cyclopent-1-ene, where R is a functional group, according to claim 2.

11. (Previously Presented) Fibers, films and moldings comprising a polyamide according to claim 1.

12. (Currently Amended) A process for preparing a polyamide, which comprises converting monomers suitable for forming a polyamide in the presence of 1-amino-2-R-cyclopent-1-ene, where R is a functional group selected from the group consisting of carboxylic acid, carboxylic ester, carboxylic amide and nitrile, and the main chain of said polyamide comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is present at a level in the range from ~~0.001 not less than 0.08 mol%~~ to 2 mol%, based on 1 mol of acid amide groups of said polyamide.

13. (Currently Amended) A process for preparing a polyamide, which comprises converting oligomers suitable for forming a polyamide in the presence of 1-amino-2-R-cyclopent-1-ene, where R is a functional group is selected from the group consisting of carboxylic acid, carboxylic ester, carboxylic amide and nitrile and the main chain of said polyamide comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is present at a level in the range from ~~0.001 not less than 0.08 mol%~~ to 2 mol%, based on 1 mol of acid amide groups of said polyamide.

14. (Currently Amended) A polyamide whose main chain comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is selected from the group consisting of carboxylic acid, carboxylic ester, carboxylic amide and nitrile, and R is present at a level in the range from ~~0.001 not less than 0.08 mol%~~ to 2 mol%, based on 1 mol of acid amide groups of said polyamide.

15. (Previously Presented) The polyamide according to claim 14 wherein R represents nitrile.

16. (Previously Presented) The polyamide according to claim 14 wherein R represents carboxylic acid.

17. (Previously Presented) The polyamide according to claim 14 wherein R represents carboxylic ester.

18. (Previously Presented) The polyamide according to claim 14 wherein R represents carboxylic amide.